

Comparisons of Job Characteristics

Focus Occupation: Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders (51-9012)

Associated Occupation: Mixing and Blending Machine Setters, Operators, and Tenders (51-9023)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 95

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Associated Occupation: Mixing and Blending Machine Setters, Operators, and Tenders (51-9023)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	13.9	12.8	0 Current knowledge level may be sufficient
Chemistry	4.8	9.9	10.2	0 Current knowledge level may be sufficient
Mechanical	6.8	9.6	10.1	0 Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 95

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	11.6	12.6	0 Current skill level may be sufficient
Operation and Control	5.4	11.2	10.2	0 Current skill level may be sufficient
Quality Control Analysis	5.9	9.8	9.0	0 Current skill level may be sufficient
Equipment Maintenance	3.5	8.4	7.7	0 Current skill level may be sufficient
Repairing	3.4	7.1	8.2	> Skill level is likely sufficient
Equipment Selection	3.3	5.4	5.5	0 Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 87

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Manual Dexterity	6.5	10.8	8.0	<<	Extensive improvement in abilities may be required
Perceptual Speed	7.4	9.7	11.2	>	Current ability level is likely sufficient
Visual Color Discrimination	6.4	9.7	8.8	<	Some improvement in abilities may be required
Rate Control	3.8	9.4	8.5	<	Some improvement in abilities may be required
Reaction Time	4.8	9.0	10.1	>	Current ability level is likely sufficient
Auditory Attention	5.9	8.7	10.5	>	Current ability level is likely sufficient
Response Orientation	4.0	7.6	6.4	<	Some improvement in abilities may be required
Wrist-Finger Speed	3.2	6.1	5.7	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 97

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Work Activities	Exclusivity of Activity
Clean equipment or machinery	20
Collect samples for testing	58
Examine products or work to verify conformance to specifications	15
Load or unload material or workpiece into machinery	34
Maintain consistent production quality	50
Maintain or repair industrial or related equipment/machinery	39
Maintain production or work records	19
Measure, weigh, or count products or materials	17
Monitor production machinery/equipment operation to detect problems	27
Operate chemical processing equipment	77
Operate food processing production equipment/machinery	76
Operate pulp or paper making equipment	81
Operate textile production equipment/machinery	76
Perform safety inspections in manufacturing or industrial setting	33
Read work order, instructions, formulas, or processing charts	9
Set up production equipment or machinery	51

Test manufactured products or materials	64
Use hand or power tools	2
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 94

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Tools and Technologies	Exclusivity
Chemical evaluation instruments and supplies	10
Computers	1
Content authoring and editing software	1
Data management and query software	1
Electrochemical measuring instruments and accessories	9
Fluid mechanics equipment	11
Forming tools	2
Holding and clamping tools	3
Information exchange software	1
Power tools	2
Rough and finishing tools	5
Temperature and heat measuring instruments	6
Weight measuring instruments	7
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.